

Revision number: 3 Revision date: 11/10/2015

# 1. IDENTIFICATION

Product name: Product code: N-(tert-Butoxycarbonyl)-1H-pyrazole-1-carboxamidine B4028

For laboratory research purposes.

**TCI AMERICA** 

SAFETY DATA SHEET

Product use: Restrictions on use:

### Company:

TCI America 9211 N. Harborgate Street Portland, OR 97203 U.S.A. Telephone: +1-800-423-8616 / +1-503-283-1681 Fax: +1-888-520-1075 / +1-503-283-1987 e-mail: sales-US@TCIchemicals.com www.TCIchemicals.com

### 2. HAZARD(S) IDENTIFICATION

OSHA Haz Com: CFR 1910.1200:

Skin Corrosion/Irritation [Category 2] Eye Damage/Irritation [Category 2A]

Signal word:

Warning!

None

Hazard Statement(s):

Causes serious eye irritation Causes skin irritation

Pictogram(s) or Symbol(s):



Precautionary Statement(s): [Prevention] [Response]

> [Storage] [Disposal]

Wash hands and face thoroughly after handling. Wear protective gloves. Wear eye and face protection. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention. None

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Not for drug or household use.

Emergency telephone number: Chemical Emergencies: TCI America (8:00am - 5:00pm) PST +1-503-286-7624 Transportation Emergencies: Chemtrec 24-Hour +1-800-424-9300 (U.S.A.) +1-703-527-3887 (International) **Responsible department:** TCI America Environmental Health Safety and Security +1- 503-286-7624

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Components: Percent: CAS Number: Molecular Weight: Chemical Formula: Substance N-(tert-Butoxycarbonyl)-1H-pyrazole-1-carboxamidine >98.0%(HPLC)(T) 152120-61-1 210.24  $C_9H_{14}N_4O_2$ 

carboxamidine		
3. COMPOSITION/INFORMATION		
Synonyms:	N-Boc-1H-pyrazole-1-carboxamidine , 1-[N-(tert-Butoxycarbonyl)amidino amidino)pyrazole , N-(tert-Butoxycarbonyl)-1H-pyrazole-1-carboximidami carboximidamide , 1-[N-(tert-Butoxycarbonyl)carbamimidoyl]pyrazole , 1-	de, N-Boc-1H-pyrazole-1-
4. FIRST-AID MEASURES		
Inhalation:	Call a poison center or doctor if you feel unwell. Move victim to fresh air. is not breathing. Administer oxygen if breathing is difficult. Keep victim we symptomatically and supportively. Ensure that medical personnel are aw take precautions to protect themselves.	arm and quiet. Treat
Skin contact:	If skin irritation occurs get medical advice/attention. Remove and wash c use. In case of contact with substance, immediately flush skin with runnir Treat symptomatically and supportively. Ensure that medical personnel a	ng water for at least 20 minutes.
Eye contact:	involved and take precautions to protect themselves. IMMEDIATELY flush eyes with running water for at least 15 minutes, kee material may irritate or burn eyes. Call emergency medical service. Move remove any contact lenses. Keep victim warm and quiet. Treat symptom exposure to substance may be delayed. Ensure that medical personnel a involved and take precautions to protect themselves.	e victim to fresh air. Check for and atically and supportively. Effects of
Ingestion:	Do not induce vomiting with out medical advice. If swallowed, seek medic the container or label. Do not use mouth-to-mouth method if victim ingest respiration with the aid of a pocket mask equipped with a one-way valve medical device. Loosen tight clothing such as a collar, tie, belt or waistba in the recovery position so that vomit will not reenter the mouth and throa and quiet. Treat symptomatically and supportively. Ensure that medical p material(s) involved and take precautions to protect themselves.	ted the substance; give artificial or other proper respiratory and. If a person vomits place them at. Rinse mouth. Keep victim warn
Symptoms/effects:		
Acute: Delayed:	Redness. No data available	
Immediate medical attention:	If breathing has stopped, perform artificial respiration. Use first aid treatment according to the nature injury. Ensure that medical personnel are aware of the material(s) involved and take precautions to p themselves.	
5. FIRE-FIGHTING MEASURES		
Suitable extinguishing media:	Dry chemical, CO <sub>2</sub> , sand, earth, water spray or regular foam Consult with attempting large scale fire fighting operations.	n local fire authorities before
Specific hazards arising from the che	mical	
Hazardous combustion products: Other specific hazards:	These products include: Carbon oxides Nitrogen oxides Closed containers may explode from heat of a fire.	
heated. Move containers from fire area <b>Special protective equipment for fire-</b> Wear positive pressure self-contained b		limited protection in fire situations
6. ACCIDENTAL RELEASE MEAS	URES	
Personal precautions:	Avoid contact with skin, eyes, and clothing. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing (Section 8). Warn unnecessary personnel to move away. Stop leak if you can do it without risk. Ensure adequate ventilation	
Personal protective equipment:	Isolate the hazard area and deny entry to unnecessary and unprotected Wear eye protection (splash goggles) and face protection (full length face respirator. Be sure to use a MSHA/NIOSH approved respirator or equiva	e shield). Lab coat. Dust
Emergency procedures:	(nitrile). Prevent dust cloud. In case of a spill and/or a leak, always shut off any so area, and excercise caution. Do not touch damaged containers or spilled	

Prevent dust cloud. In case of a spill and/or a leak, always shut off any sources of ignition, ventilate the area, and excercise caution. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Warn personnel to move away. Prevent entry into sewers, basements or confined areas; dike if needed.

### 6. ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and cleaning up:

ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if without risk. Ventilate the area. Absorb with an inert material and put the spilled material in an appropriate waste disposal container. Use clean non-sparking tools to collect absorbed material. **Environmental precautions:** 

Prevent further leakage or spillage if safe to do so. Water runoff can cause environmental damage. Prevent entry into sewers, basements or confined areas; dike if needed.

Precautions for safe handling:	Avoid inhalation of vapor or mist. Avoid contact with skin and eyes. Good general ventilation should be sufficient to control airborne levels. Keep container dry. Handle and open container with care. Wear
	suitable protective clothing, gloves and eye/face protection. When using do not eat, drink, or smoke. Keep away from sources of ignition.
Conditions for safe storage:	Keep only in the original container in a cool well-ventilated place. Keep away from incompatibles. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid prolonged storage periods.
Storage incompatibilities:	Store away from oxidizing agents

# 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits:

### Appropriate engineering controls:

Good general ventilation should be sufficient to control airborne levels. Ventilation is normally required when handling or using this product. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substance. Follow safe industrial engineering/laboratory practices when handling any chemical.

Personal protective equipment	
Respiratory protection:	Dust respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent.
Hand protection:	Nitrile gloves.
Eye protection:	Safety glasses.
Skin and body protection:	Lab coat.

No data available

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C): Form: Color: Odor: Odor threshold:	Solid Crystal - Powder White - Almost white No data available No data available		
Melting point/freezing point: Boiling point/range: Decomposition temperature: Relative density: Kinematic Viscosity:	101°C (214°F) No data available No data available No data available No data available No data available	pH: Vapor pressure: Vapor density: Dynamic Viscosity:	No data available No data available No data available No data available
Partition coefficient: n-octanol/water (log P <sub>ow</sub> )	No data available	Evaporation rate: (Butyl Acetate = 1)	No data available
Flash point: Flammability (solid, gas):	No data available No data available	Autoignition temperature: Flammability or explosive limits Lower: No data ava	
		Upper: No data ava	ailable

Solubility(ies): Soluble: Acetic acid

## 10. STABILITY AND REACTIVITY

Reactivity: Chemical Stability: Possibility of Hazardous Reactions: Conditions to avoid: Incompatible materials: Hazardous Decomposition Products: Not Available. Stable under recommended storage conditions. (See Section 7) No hazardous reactivity has been reported. Avoid excessive heat and light. Oxidizing agents No data available

<b>Acute Toxic</b> i No data avail					
<b>Skin corrosi</b> No data avail	on/irritation: able				
<b>Serious eye</b> No data avail	damage/irritation: able				
<b>Respiratory</b> No data avail	or skin sensitization: lable				
<b>Germ cell m</b> No data avail					
Carcinogeni	city:				
No data avail	able				
IARC:	No data available	NTP:	No data available	OSHA:	No data available
<b>Reproductiv</b> No data avail					
Routes of Exposure: Inhalation, Eye contact, Ingestion, Skin contact. Symptoms related to exposure: Skin contact may result in inflammation; characterized by itching, scaling, reddening, or occasionally blistering. Skin contact may result in redness, pain or dry skin. Eye contact may result in redness or pain. Potential Health Effects:					
Target organ	contact may result in irritation n(s):	No data available			
12. ECOLC	GICAL INFORMATION				
	tacea:	No data available No data available No data available			
	and degradability: ative potential (BCF):	No data available No data available			
Mobillity in s Partition cos	soil:	No data available No data available			
Soil adsorpt Henry's Law constant (Pa	:	No data available No data available			
	SAL CONSIDERATIONS				
Disposal of	product:	rules and regulatio chemical incinerate assistance but doe regulatory complia	ns. You may be able to diss or equipped with an afterbur is not replace these laws, no nce according to the law. U 40 CFR Parts 261. The pro	olve or mix material with ner and scrubber syster or does compliance in a S EPA guidelines for Ide	mply with Federal, State and Local in a combustible solvent and burn in a m. This section is intended to provide ccordance with this section ensure entification and Listing of Hazardous ved to enter the environment, drains,
Disposal of Other consid			sed product. Do not re-use o I, state and local regulations		substance.
14. TRANS	PORT INFORMATION		-		

Non-hazardous for transportation.

**TCI AMERICA** 

# 14. TRANSPORT INFORMATION IATA Non-hazar

Non-hazardous for transportation.

Non-hazardous for transportation.

### 15. REGULATORY INFORMATION

### Toxic Substance Control Act (TSCA 8b.):

This product is NOT on the EPA Toxic Substances Control Act (TSCA) inventory. The following notices are required by 40 CFR 720.36 (C) for those products not on the inventory list:

(i) These products are supplied solely for use in research and development by or under the supervision of a technically qualified individual as defined in 40 CFR 720.0 et sec.

(ii) The health risks of these products have not been fully determined. Any information that is or becomes available will be supplied on a SDS sheet.

### **US Federal Regulations**

IMDG

CERCLA Hazardous substance and Reportable Quantity:		
SARA 313:	Not Listed	
SARA 302:	Not Listed	
State Regulations		

### State Right-to-Know

Massachusetts	Not Listed
New Jersey	Not Listed
Pennsylvania	Not Listed
California Proposition 65:	Not Listed

#### Other Information

NFPA Rating:		HMIS Classification:
Health:	0	Health:
Flammability:	0	Flammability:
Instability:	0	Physical:

### International Inventories

WHMIS hazard class:

D2B: Materials causing other toxic effects. (Toxic)

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## **16. OTHER INFORMATION**

### Revision date: 11/10/2015

Revision number: 3

TCI chemicals are for research purposes only and are NOT intended for use as drugs, food additives, households, or pesticides. The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its affiliates or subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our SDS are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated SDS for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, face mask, fume hood). For proper handling and disposal, always comply with federal, state and local regulations.